

Title (en)

Surface acoustic wave device.

Title (de)

Akustische Oberflächenwellen-Vorrichtung.

Title (fr)

Dispositif à ondes élastiques de surface.

Publication

EP 0074252 B2 19951122 (EN)

Application

EP 82304627 A 19820902

Priority

JP 14105481 A 19810909

Abstract (en)

[origin: US4463327A] This Surface Acoustic Wave (SAW) filter has a tilted, interdigital transducer and a normal interdigital transducer separated from each other on a piezoelectric substrate. An input signal with a large bandwidth is applied to the tilted transducer, while an output signal is obtained from the normal transducer. Guaranteed attenuation can be greatly improved, and ripple in the pass band markedly reduced, by grounding one of the electrodes of the tilted transducer. This electrode is the one containing the longer of the two electrode fingers closest to the normal transducer.

IPC 1-7

H03H 9/64; **H03H 9/145**

IPC 8 full level

H03H 3/08 (2006.01); **H03H 9/145** (2006.01); **H03H 9/64** (2006.01)

CPC (source: EP US)

H03H 9/02637 (2013.01 - EP US); **H03H 9/1452** (2013.01 - EP US); **H03H 9/14573** (2013.01 - EP US); **H03H 9/6489** (2013.01 - EP US); **H03H 9/6496** (2013.01 - EP US); **H03H 9/02992** (2013.01 - EP US)

Cited by

EP0179459A3; NL9220007A; GB2273621A; US5471179A; GB2273621B; WO9308642A1; WO0191294A1

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

US 4463327 A 19840731; CA 1192632 A 19850827; DE 3277760 D1 19880107; EP 0074252 A2 19830316; EP 0074252 A3 19840718; EP 0074252 B1 19871125; EP 0074252 B2 19951122; JP S5843609 A 19830314; JP S6363128 B2 19881206

DOCDB simple family (application)

US 40543582 A 19820805; CA 410995 A 19820908; DE 3277760 T 19820902; EP 82304627 A 19820902; JP 14105481 A 19810909